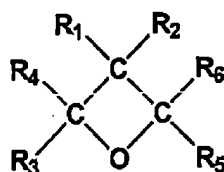


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This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) An actinic ray curable composition containing a photo acid generator, and an oxetane compound I of the following formula,



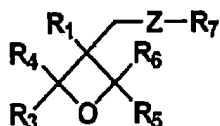
wherein R_1 , R_2 , R_3 , R_4 , R_5 , and R_6 independently represent a hydrogen atom, a fluorine atom, an alkyl group having from 1 to 6 carbon atoms, a fluoroalkyl group having from 1 to 6 carbon atoms, an allyl group, an aryl group, a furyl group or a thienyl group, provided that R_3 , R_4 , R_5 , and R_6 are not simultaneously hydrogen atoms, and wherein the longer C-O bond distance of the two C-O bond distances in the formula is from 0.1464 to 0.1500 nm.

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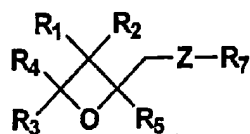
Claim 2 (Canceled).

3. (Previously Presented) The actinic ray curable composition of claim 1, wherein the composition further contains an oxetane compound II represented by formula 2, 3, 4 or 5 or an oxetane compound III represented by formula 6 or 7,

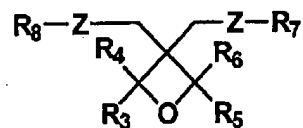
Formula 2



Formula 3



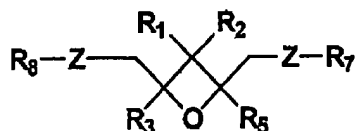
Formula 4



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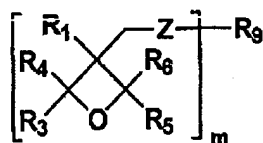
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Formula 5

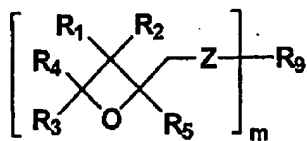


wherein R_1 , R_2 , R_3 , R_4 , R_5 and R_6 independently represent a hydrogen atom or a substituent, and Z represents an oxygen atom, a sulfur atom, a divalent hydrocarbon group or a divalent hydrocarbon group in which an oxygen atom or a sulfur atom is intervened,

Formula 6



Formula 7



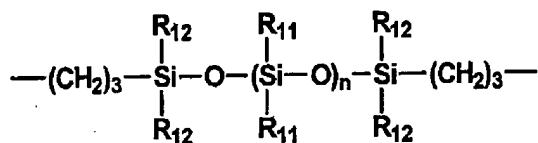
wherein R_1 through R_6 independently represent a hydrogen atom, a fluorine atom, an alkyl group having a carbon atom number

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of from 1 to 6 such as a methyl group, an ethyl group, a propyl group or a butyl group, a fluoroalkyl group having a carbon atom number of from 1 to 6, an allyl group, an aryl group, or a furyl group; m is 2, 3 or 4; Z represents an oxygen atom, a sulfur atom, a divalent hydrocarbon group or a divalent hydrocarbon group in which an oxygen atom or a sulfur atom is intervened; and R₉ represents a straight chain or branched chain alkylene group having from 1 to 12 carbon atoms, a straight chain or branched chain poly(alkylene oxy) group, or a divalent group selected from the group consisting of the following formula 9, 10 and 11,

Formula 9

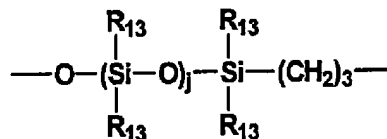


wherein n represents an integer of from 0 to 2000; R₁₁ represents an alkyl group having from 1 to 10 carbon atoms or a group represented by the following formula 12; and R₁₂ represents an alkyl group having from 1 to 10 carbon atoms,

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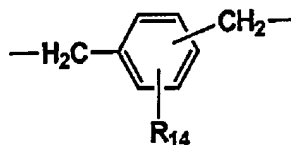
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Formula 12



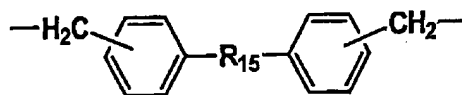
wherein j represents an integer of from 0 to 100; R_{13} represents an alkyl group having from 1 to 10 carbon atoms,

Formula 10



wherein R_{14} represents an alkyl group having from 1 to 10 carbon atoms, an alkoxy group having from 1 to 10 carbon atoms, a halogen atom, a nitro group, a cyano group, a mercapto group, an alkoxycarbonyl group or a carboxyl group,

Formula 11



wherein R_{15} represents an oxygen atom, a sulfur atom, ---NH--- , ---SO--- , $\text{---SO}_2\text{---}$, $\text{---(CH}_2\text{)---}$, $\text{---C(CH}_3\text{)}_2\text{---}$ or $\text{---(CF}_3\text{)}_2\text{---}$.

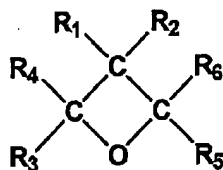
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4. (Original) The actinic ray curable composition of claim 1, wherein the composition further contains an oxirane compound having an oxirane ring.

5. (Original) The actinic ray curable composition of claim 1, wherein the composition has a viscosity at 25 °C of from 7 to 50 mPa.s.

6. (Previously Presented) An actinic ray curable composition containing a photo acid generator, and an oxetane compound I' of the following formula,



wherein R₁, R₂, R₃, R₄, R₅, and R₆ independently represent a hydrogen atom, a fluorine atom, an alkyl group having from 1 to 6 carbon atoms, a fluoroalkyl group having from 1 to 6 carbon atoms, an allyl group, an aryl group, a furyl group or a thienyl group, provided that R₃, R₄, R₅, and R₆ are not simultaneously hydrogen atoms, and wherein in the formula, the longer C-O bond

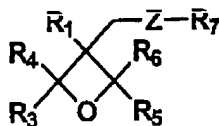
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distance of the two C-O bond distances is from 0.1435 to 0.1461 nm, and the oxygen atom has a charge of from -0.330 to -0.281.

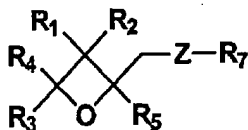
Claim 7 (Canceled).

8. (Previously Presented) The actinic ray curable composition of claim 6, wherein the composition further contains an oxetane compound II represented by formula 2, 3, 4 or 5 or an oxetane compound III represented by formula 6 or 7,

Formula 2



Formula 3

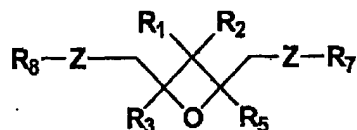


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Formula 4

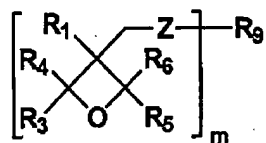


Formula 5



wherein R_1 , R_2 , R_3 , R_4 , R_5 and R_6 independently represent a hydrogen atom or a substituent, and Z represents an oxygen atom, a sulfur atom, a divalent hydrocarbon group or a divalent hydrocarbon group in which an oxygen atom or a sulfur atom is intervened,

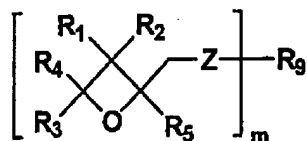
Formula 6



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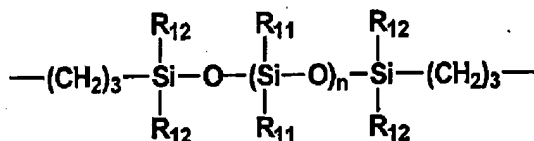
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Formula 7



wherein R_1 through R_6 independently represent a hydrogen atom, a fluorine atom, an alkyl group having a carbon atom number of from 1 to 6 such as a methyl group, an ethyl group, a propyl group or a butyl group, a fluoroalkyl group having a carbon atom number of from 1 to 6, an allyl group, an aryl group, or a furyl group; m is 2, 3 or 4; Z represents an oxygen atom, a sulfur atom, a divalent hydrocarbon group or a divalent hydrocarbon group in which an oxygen atom or a sulfur atom is intervened; and R_9 represents a straight chain or branched chain alkylene group having from 1 to 12 carbon atoms, a straight chain or branched chain poly(alkylene oxy) group, or a divalent group selected from the group consisting of the following formula 9, 10 and 11,

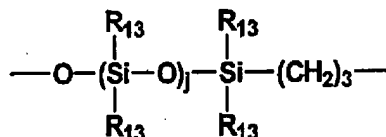
Formula 9



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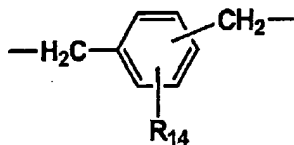
wherein n represents an integer of from 0 to 2000; R₁₁ represents an alkyl group having from 1 to 10 carbon atoms or a group represented by the following formula 12; and R₁₂ represents an alkyl group having from 1 to 10 carbon atoms,

Formula 12



wherein j represents an integer of from 0 to 100; R₁₃ represents an alkyl group having from 1 to 10 carbon atoms,

Formula 10

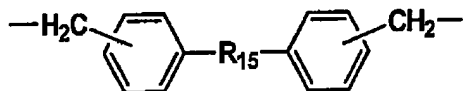


wherein R₁₄ represents an alkyl group having from 1 to 10 carbon atoms, an alkoxy group having from 1 to 10 carbon atoms, a halogen atom, a nitro group, a cyano group, a mercapto group, an alkoxycarbonyl group or a carboxyl group,

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Formula 11



wherein R₁₅ represents an oxygen atom, a sulfur atom, -NH-, -SO-, -SO₂-, -(CH₂)-, -C(CH₃)₂- or -(CF₃)₂-.

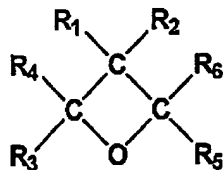
9. (Original) The actinic ray curable composition of claim 6, wherein the composition further contains an oxirane compound having an oxirane ring.

10. (Original) The actinic ray curable composition of claim 6, wherein the composition has a viscosity at 25°C of from 7 to 50 mPa.s.

11. (Previously Presented) An actinic ray curable ink, containing pigment, a photo acid generator, and an oxetane compound I of the following formula,

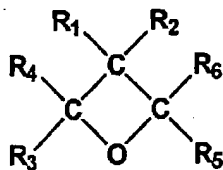
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wherein R_1 , R_2 , R_3 , R_4 , R_5 , and R_6 independently represent a hydrogen atom, a fluorine atom, an alkyl group having from 1 to 6 carbon atoms, a fluoroalkyl group having from 1 to 6 carbon atoms, an allyl group, an aryl group, a furyl group or a thienyl group, provided that R_3 , R_4 , R_5 , and R_6 are not simultaneously hydrogen atoms, and wherein the longer C-O bond distance of the two C-O bond distances in the formula is from 0.1464 to 0.1500 nm.

12. (Previously Presented) An actinic ray curable ink, containing pigment, a photo acid generator, and an oxetane compound I' of the following formula,



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wherein R_1 , R_2 , R_3 , R_4 , R_5 , and R_6 independently represent a hydrogen atom, a fluorine atom, an alkyl group having from 1 to 6 carbon atoms, a fluoroalkyl group having from 1 to 6 carbon atoms, an allyl group, an aryl group, a furyl group or a thienyl group, provided that R_3 , R_4 , R_5 , and R_6 are not simultaneously hydrogen atoms, and wherein in the formula, the longer C-O bond distance of the two C-O bond distances is from 0.1435 to 0.1461 nm, and the oxygen atom has a charge of from -0.330 to -0.281.

Claim 13-20 (Cancelled).